



DISCRIPTION

FEATURES

OPTIONS

Low resistance to keep power loss minimum.

Tape & Reel is Standard Tolerance: M=20% is Standard, Tighter Tolerances Available

APPLICATIONS

Excellent for power line DC-DC conversion applications used in hard disk, notebook computers and other electronic equipment

PHYSICAL CHARACTERISTICS

- Inductance is measured by LCR-meter 4284A (HP) or equivalent.
- DC Resistance is measured by HP4338B Milliohms Meter or equivalent.
- Rated current is measured by LCR-meter 3260B (WK) & DC Bias 3265B(WK).
- Maximum allowable DC current is that which causes a 10% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C)
- Operating temperature -55°C ~ +125°C
- All test data is referenced to 25°C ambient

ELECTRICAL SPECIFICATIONS

Properties	Test conditions		Value	Unit	Tol.
Inductance		L	10	μH	see Site 2
Q factor		Q			min.
DC-resistance		DCR typ.		Ω	typ.
DC-resistance		DCR max.	0,08	Ω	max.
Self-Res. Freq.		SRF		MHz	min.
Test-Freq.			100	KHz	
Rated Current		IDC	1,40	A	max.
Saturation Current		Isat		A	max.

 This electronic component is meant to be used in general electronic equipment. Before the incorporation of this component into any equipment with higher and more reliable requirements such as aviation, aerospace, submarine, nuclear control, transportation, transportation signal, disaster prevention, medical, public information network, etc. or if there is a possibility of injuries or damages to the human body, Edcon 						SMT UNSHIELDED POWER INDUCTORS		
-Components must be informed before the stage of design-in. Evaluation checks for safety have to be						Part No.:	S4(6004-100
performed on each electronic components used in electrical circuits that require high safety and reliability functions.						Customer:		
DRW:	Chang	CHKD	Young	MATL:	Chu Chi	DATE		26.06.2009
APPD:	Pong			FINISH	Vienna	Sheet		1 from 2

Copyright by EDCON-COMPONENTS

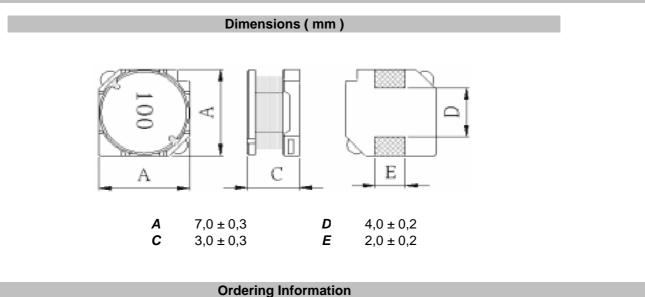
www.edcon-components.com

email: info@edcon-components.com

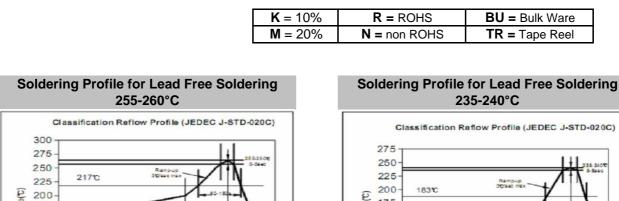


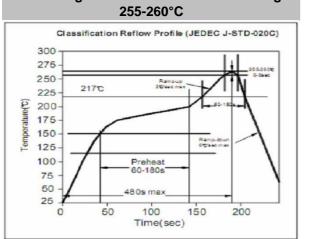


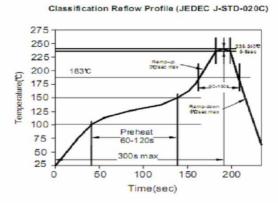
TECHNICAL INFORMATIONS



Serie and Range ROHS Packing Tolerance S46004-100 TR Μ R **K** = 10% R = ROHS BU = Bulk Ware







of this compo aerospace, subn public informatio	component is me onent into any equi narine, nuclear co n network, etc. or i	SMT UNSHIELDED POWER INDUCTORS					
-Components must be informed before the stage of design-in. Evaluation checks for safety have to be performed on each electronic components used in electrical circuits that require high safety and reliability						Part No.:	S46004-100
functions.					Customer:		
DRW:	Chang	CHKD	Young	MATL:	Chu Chi	DATE	26.06.2009
APPD:	Pong			FINISH	Vienna	Sheet	2 from 2

www.edcon-components.com

Copyright by EDCON-COMPONENTS

email: info@edcon-components.com